

## **Unit 9, Professional Engineers 2017 Salary Survey**

California Department of Human Resources Office of Financial Management and Economic Research

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#### Overview

This salary survey report is prepared by the Department of Human Resources as required by the Memorandum of Understanding (MOU) between the state and the Professional Engineers in California Government (PECG).

The Department and PECG jointly completed the 2017 Unit 9 salary survey. Although the current MOU requires this survey to be completed, it also states that salary increases for Unit 9 employees as a result of a lag in the survey, "shall not be provided during the term of this MOU."

The survey results indicate that the state lags behind in maximum base pay for its engineers. The table below illustrates the lag for each working level.

**Table 1: Survey Results** 

Level of Work	State Lag
Entry Level	3.5%
Journey Level	5.3%
First Level Supervisor	5.0%

### Methodology

#### **Memorandum of Understanding Survey Requirement**

This salary survey was initiated and completed based on the requirements outlined in Article 3.1 of the MOU effective July 2, 2003 through July 2, 2008. Over time the Department and PECG agreed to a detailed methodology. By the terms of the current MOU¹ (effective July 2, 2015 through June 30, 2018), the surveyed agencies and benchmark comparisons may only be changed upon mutual agreement between the Department and PECG.

MOU, Article 3.1, requires the Department to:

- Annually survey the 18 public agencies and 10 University of California campuses used in the December 2002 survey.
- Calculate the salary lead or lag based on the weighted average of maximum salaries of employees in the surveyed organizations' previously agreed upon classifications.<sup>2</sup>

#### State of California's Benchmark Job Classifications

For this survey, the required three benchmarks for the state are:

- Entry Level Transportation Engineer (Civil) Range A/B
- Journey Level Transportation Engineer (Civil) Range D
- First Level Supervisor Senior Transportation Engineer, Caltrans

<sup>&</sup>lt;sup>1</sup> Attachment 1 displays Article 3.1 in the current MOU (effective July 2, 2015 through June 30, 2018).

<sup>&</sup>lt;sup>2</sup> Attachment 2 displays the surveyed organizations, their surveyed job classifications, and the minimum and maximum salaries of those job classifications.

### **Survey Lag Calculation**

The agreed upon methodology requires a comparison to be made between the State of California's maximum salary to the weighted average maximum salary for the surveyed organizations.

There are two parts to the survey lag calculation. The first part weights the maximum salary of each surveyed organization (excluding state employee counts) by the total number of engineers in the comparable classification(s) in each organization. This is done separately for the entry level, journey level, and first level supervisor categories, resulting in a separate weighted average salary for each level.

The second part of the lag computation compares the weighted average salary for the surveyed organizations with the maximum salary of the state benchmark engineer classification. The percentage difference is the survey lag. A separate lag is computed for entry, journey, and first level supervisors.

To illustrate how the lag is calculated the table below uses fictitious salary, incumbent counts, and organizations.

**Table 2: Simplified Illustration of Salary Lag Calculation** 

Surveyed Organization	Entry Level Maximum Salary A	No. of Engineers in Survey Class B	Product = A x B
Organization A	\$5,346	132	\$705,672
Organization B	\$6,268	26	\$162,968
Total		158	\$826,640
Weighted Average Salary	\$5,232 <sup>1</sup>		
State of California Salary	\$5,000		
State Salary Lag	\$232		
State Salary Lag Percent	4.6% <sup>2</sup>	1	

#### Notes:

Calculation is \$826,640/158

<sup>&</sup>lt;sup>2.</sup> Calculation is \$5,232 less 5,000 divided by \$5,000, rounded to one decimal

#### **Lag Calculation Anomalies**

There are two unique anomalies affecting the lag calculation.

The first is a few of the surveyed organizations use two classifications for either entry or journey level. Five surveyed organizations used two classifications for the entry level, and one surveyed organization used two classifications for the journey level.

For those organizations using two classifications for a single level, the Department combined the incumbent counts for the two classifications, and then weighted the survey using the higher-salaried classification by the combined incumbent count.

The second anomaly affecting the lag calculation is the additional pay that the City of San Diego provides their engineers for possessing a state certification as a Registered Engineer.

The City of San Diego pays an additional 15 percent of salary to its employees in the journey and first level supervisor classifications for possessing state certification as a Registered Civil Engineer. To compute the survey's salary lag, 15 percent of pay was added to the maximum salary, and then was weighted by an incumbent count.

PECG and the Department agreed on the application of the two anomalies for the survey methodology.

## **Survey Results**

### Salary Lag for Entry, Journey, and First Level Supervisors

The survey results for the state's three benchmark job classifications are displayed below.

Table 3: Display of Survey's Lags\*

Level of Work	Entry Level	Journey Level	First Level Supervisor
State Benchmark Classification	Transportation Engineer (Civil) Range A/B	Transportation Engineer (Civil) Range D	Senior Transportation Engineer, Caltrans
Lag for State	3.5%	5.3%	5.0%

<sup>\*</sup>Attachment 3 provides the detail on the lag computations.

As agreed upon in the current MOU, rank and file civil service job classifications in Unit 9 are not automatically entitled to salary increases to compensate for any salary disparity (or "lag") between Unit 9 salaries and benchmark comparisons used in this survey.

Salary Survey Text from Unit 9 Memorandum Of Understanding (2015-2018)

# ARTICLE 3 SALARIES AND COMPENSATION 3.1 Salary Parity for Unit 9

The State and PECG will continue to complete the salary survey of Unit 9. This survey will include the Professional Engineer Benchmarks that utilize the California public agencies and the University of California included in the department's survey dated December 2002, and the local agency classifications and salary range matches contained therein. The salary survey for those classifications and agencies shall be current data. The agencies and classifications included in the survey shall only be changed upon agreement between CalHR and PECG.

#### Salary Methodology:

- A. All steps in each salary range shall be increased by the same percentage. The salary for intermediate classifications in ranges between the Entry and Supervisory levels shall be based on prorating or interpolating the salaries.
- B. All salary increases shall be rounded to the nearest dollar. In no event shall salaries be reduced as a result of this provision. CalHR and PECG may negotiate salaries above the minimum level on any general, regional, specialty, classification, department, or other basis they choose to agree upon.
- C. Salaries for Unit 9 employees shall be increased as appropriate to correspond to the timing of the salaries received by local agency employees included in the survey.

By mutual agreement CalHR and PECG can meet to discuss benchmarks and methodologies.

Beginning with the January 2016 salary survey, the calculation of the salary lead or lag for Unit 9 employees shall be based on the weighted average salaries of employees in the classifications in the surveyed agencies as of January 1.

Notwithstanding the above provisions, salary increases pursuant to this section shall not be provided during the term of this MOU.

The most current version of the salary survey will be posted on the CalHR website.

## List of Surveyed Organizations and Entry Level Classifications for 2017 Unit 9 Salary Survey

Organization	Entry Level	Min	Max	
STATE OF CALIFORNIA	Transportation Engineer A/B	\$4,998	\$7,160	
Alameda County	Junior Engineer	\$6,068	\$7,011	
Contra Costa County	Engineer - Entry	\$5,657	\$6,725	
Fresno County	Engineer II	\$5,126	\$6,558	
Los Angeles County	C.E Assistant Sr. C.E. Assistant	\$5,643.27 \$5,643.27	\$6,640.82 \$7,010.91	
Orange County	Junior Civil Engineer	\$5,892	\$6,743	
Riverside County	Junior Engineer Assistant Engineer	\$4,663.62 \$5,214.39	\$7,356.68 \$8,227.51	
Sacramento County	Asst. Civil Eng. Lvl 2	\$6,043	\$7,712	
San Bernardino County	A/E Project Manager I	\$4,628	\$6,365	
San Diego County	Assistant Engineer	\$5,203	\$6,720	
Santa Clara County	Assistant Civil Engineer	\$7,031	\$8,549	
SF City/County	Junior Engineer Assistant Engineer	\$6,463.17 \$7,299.50	\$7,856.33 \$8,870.33	
City of Fresno	Engineer I	\$4,410	\$5,303	
City of Los Angeles	Civil Engineer Associate I	\$5,519	\$7,854	
City of Oakland	Assistant Engineer, Lvl 1	\$5,689	\$6,983	
City of Riverside	Assistant Engineer	\$5,703	\$6,933	
City of Sacramento	Junior Engineer Assistant Civil Engineer	\$4,374.39 \$5,335.65	\$6,155.20 \$7,507.80	
City of San Diego	Junior Engineer Assistant Engineer	\$4,181.00 \$4,839.00	\$5,063.00 \$5,830.00	
City of San Jose	Engineer I	\$6,084	\$7,698	
University of California, Berkeley	Engineer, Assistant	\$0	\$0	
University of California, Davis	Engineer, Assistant	\$4,317	\$7,767	
University of California, Irvine	Engineer, Assistant	\$4,102	\$7,053	
University of California, Los Angeles	Engineer, Assistant	\$4,275	\$8,475	
University of California, Merced	Engineer, Assistant	\$0	\$0	
University of California, Riverside	Engineer, Assistant	\$3,753	\$7,694	
University of California, San Diego	Engineer, Assistant	\$4,000	\$6,667	
University of California, Santa Cruz	Engineer, Assistant	\$4,167	\$7,500	
University of California, Santa Barbara	Engineer, Assistant	\$4,265	\$7,688	
University of California, San Francisco	Engineer, Assistant	\$4,883	\$9,417	

## List of Surveyed Organizations and Journey Level Classifications for 2017 Unit 9 Salary Survey

STATE OF CALIFORNIA	Organization	Journey Level	Min	Max
Alameda County         Engineer         \$5,285         \$10,099           Contra Costa County         Engineer - Project         \$7,782         \$9,024           Fresno County         Senior Engineer         \$6,413         \$8,203           Los Angeles County         Assoc. Civil Engineer         \$7,475,64         \$9,287,00           Civil Engineer         \$8,138         \$9,324           Riverside County         Associate Civil Engineer         \$6,113         \$9,647           Sacramento County         Associate Civil Engineer         \$7,708         \$9,368           San Bernardino County         A/E Project Manager II         \$5,453         \$7,505           San Diego County         Civil Engineer         \$6,576         \$8,077           Santa Clara County         Associate Civil Engineer         \$6,576         \$8,077           Santa Clara County         Associate Engineer         \$6,085         \$7,374           City of Fresno         Professional Engineer         \$6,085         \$7,374           City of Los Angeles         Civil Engineer         \$7,683         \$9,433           City of Riverside         Associate Engineer         \$6,589         \$8,829           City of Sar Diego         Associate Engineer         \$6,476         \$9,112	STATE OF CALIFORNIA		\$7,481	\$9,361
Contra Costa County         Engineer - Project         \$7,782         \$9,024           Fresno County         Senior Engineer         \$6,413         \$8,203           Los Angeles County         Assoc. Civil Engineer         \$7,475,64         \$9,287,00           Civil Engineer         \$8,331,91         \$10,351,18           Orange County         Civil Engineer         \$8,138         \$9,324           Riverside County         Associate Civil Engineer         \$6,113         \$9,647           Sacramento County         Associate Civil Engineer         \$7,708         \$9,368           San Bernardino County         Average Project Manager II         \$5,453         \$7,505           San Diego County         Civil Engineer         \$6,576         \$8,077           Santa Clara County         Associate Civil Engineer         \$8,496         \$10,326           Ser City/County         Associate Engineer         \$8,496         \$10,326           City of Fresno         Professional Engineer         \$6,085         \$7,374           City of San Angeles         Civil Engineer         \$7,683         \$9,433           City of Oakland         Civil Engineer         \$7,683         \$9,433           City of Sacramento         Associate Engineer         \$6,589         \$8,829	Alameda County		\$8,285	\$10,069
Assoc. Civil Engineer	Contra Costa County		\$7,782	\$9,024
Civil Engineer         \$8,331.91         \$10,351.18           Orange County         Civil Engineer         \$8,138         \$9,324           Riverside County         Associate Civil Engineer         \$6,113         \$9,647           Sacramento County         Associate Civil Engineer         \$7,708         \$9,368           San Bernardino County         A/E Project Manager II         \$5,453         \$7,505           San Diego County         Civil Engineer         \$6,576         \$8,077           Santa Clara County         Associate Civil Engineer         \$6,576         \$8,077           Santa Clara County         Associate Civil Engineer         \$6,085         \$7,734           SF City/County         Associate Engineer         \$6,085         \$7,374           City of Fresno         Professional Engineer         \$6,085         \$7,374           City of Los Angeles         Civil Engineer         \$7,683         \$9,433           City of Oakland         Civil Engineer         \$7,683         \$9,433           City of Riverside         Associate Engineer         \$6,589         \$8,829           City of Sar Diego         Associate Engineer         \$6,489         \$9,112           City of San Diego         Associate Engineer         \$7,358         \$9,315 <td>Fresno County</td> <td>Senior Engineer</td> <td>\$6,413</td> <td>\$8,203</td>	Fresno County	Senior Engineer	\$6,413	\$8,203
Orange County         Civil Engineer         \$8,138         \$9,324           Riverside County         Associate Civil Engineer         \$6,113         \$9,647           Sacramento County         Associate Civil Engineer         \$7,708         \$9,368           San Bernardino County         A/E Project Manager II         \$5,453         \$7,505           San Diego County         Civil Engineer         \$6,576         \$8,077           Santa Clara County         Associate Civil Engineer         \$8,384         \$10,191           SF City/County         Associate Engineer         \$8,496         \$10,326           City of Fresno         Professional Engineer         \$6,085         \$7,374           City of Los Angeles         Civil Engineer         \$7,683         \$9,433           City of Oakland         Civil Engineer         \$7,683         \$9,433           City of Riverside         Associate Engineer         \$6,589         \$8,829           City of Sarramento         Associate Engineer         \$6,476         \$9,112           City of San Diego         Associate Engineer         \$6,476         \$9,112           City of San Jose         Associate Engineer         \$7,358         \$9,315           University of California, Berkeley         Engineer, Associate <t< td=""><td>Los Angeles County</td><td></td><td></td><td></td></t<>	Los Angeles County			
Riverside County         Engineer         \$6,113         \$9,647           Sacramento County         Associate Civil Engineer         \$7,708         \$9,368           San Bernardino County         A/E Project Manager II         \$5,453         \$7,505           San Diego County         Civil Engineer         \$6,576         \$8,077           Santa Clara County         Associate Civil Engineer         \$8,384         \$10,191           SF City/County         Associate Engineer         \$8,496         \$10,326           City of Fresno         Professional Engineer         \$6,085         \$7,374           City of Los Angeles         Civil Engineer         \$7,470         \$10,630           City of Oakland         Civil Engineer         \$7,683         \$9,433           City of Riverside         Associate Engineer         \$6,589         \$8,829           City of Sacramento         Associate Engineer         \$6,476         \$9,112           City of San Diego         Associate Engineer         \$6,407         \$7,737           City of San Jose         Associate Engineer         \$7,358         \$9,315           University of California, Berkeley         Engineer, Associate         \$0         \$0           University of California, Los Angeles         Engineer, Associate	Orange County	Civil Engineer	\$8,138	
San Bernardino County  A/E Project Manager II  \$5,453  \$7,505  San Diego County  Civil Engineer  \$8,384  \$10,191  SF City/County  Associate Engineer  \$8,496  \$10,326  City of Fresno  Professional Engineer  \$6,085  \$7,374  City of Los Angeles  Civil Engineer  \$7,470  \$10,630  City of Qakland  Civil Engineer  \$7,683  \$9,433  City of Riverside  Associate Engineer  \$6,589  \$8,829  City of Sacramento  City of San Diego  Associate Engineer  \$6,476  \$9,112  City of San Jose  Associate Engineer  \$7,358  \$9,315  University of California, Berkeley  University of California, Irvine  Engineer, Associate  \$1,475  \$10,225  University of California, Riverside  Engineer, Associate  \$0  \$0  University of California, San Diego  Engineer, Associate  \$0  \$0  University of California, San Diego  Engineer, Associate  \$0  \$0  University of California, San Diego  Engineer, Associate  \$0  \$0  University of California, Santa Cruz  Engineer, Associate  \$5,142  \$9,258  University of California, Santa Cruz  Engineer, Associate  \$5,159  \$9,279	Riverside County		\$6,113	\$9,647
San Diego County  Civil Engineer  Santa Clara County  Associate Civil Engineer  Santa Clara County  Associate Engineer  Santa Clara County  Santa Clara County  Associate Engineer  Santa Clara County  Associate Engineer  Santa Clara County  Associate Engineer  Santa Clara Clara Clara Santa Clara Clar	Sacramento County		\$7,708	\$9,368
Santa Clara County  Associate Civil Engineer  SF City/County  Associate Engineer  SR,496  \$10,326  City of Fresno  Professional Engineer  \$6,085  \$7,374  City of Los Angeles  Civil Engineer  \$7,470  \$10,630  City of Oakland  Civil Engineer  \$7,683  \$9,433  City of Riverside  Associate Engineer  \$6,589  \$8,829  City of Sacramento  Associate Civil Engineer  \$6,476  \$9,112  City of San Diego  Associate Engineer  \$6,407  \$7,737  City of San Jose  Associate Engineer  \$7,358  \$9,315  University of California, Berkeley  Engineer, Associate  \$5,217  \$9,392  University of California, Irvine  Engineer, Associate  \$4,969  \$8,543  University of California, Merced  Engineer, Associate  \$0  \$0  University of California, Riverside  Engineer, Associate  \$0  \$0  University of California, Riverside  Engineer, Associate  \$0  \$0  University of California, Santa Diego  Engineer, Associate  \$4,758  \$8,458  University of California, Santa Cruz  Engineer, Associate  \$5,159  \$9,279	San Bernardino County	A/E Project Manager II	\$5,453	\$7,505
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SF City/County Associate Engineer \$8,496 \$10,326 City of Fresno Professional Engineer \$6,085 \$7,374 City of Los Angeles Civil Engineer \$7,470 \$10,630 City of Oakland Civil Engineer \$7,683 \$9,433 City of Riverside Associate Engineer \$6,589 \$8,829 City of Sacramento Associate Civil Engineer \$6,476 \$9,112 City of San Diego Associate Engineer \$6,407 \$7,737 City of San Jose Associate Engineer \$7,358 \$9,315 University of California, Berkeley Engineer, Associate \$0 \$0 University of California, Irvine Engineer, Associate \$4,969 \$8,543 University of California, Los Angeles Engineer, Associate \$0 \$0 University of California, Riverside Engineer, Associate \$0 \$0 University of California, Riverside Engineer, Associate \$0 \$0 University of California, Riverside Engineer, Associate \$0 \$0 University of California, San Diego Engineer, Associate \$4,758 \$8,458 University of California, Santa Cruz Engineer, Associate \$5,142 \$9,258 University of California, Santa Barbara Engineer, Associate \$5,159 \$9,279	Santa Clara County		\$8,384	\$10,191
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City of Riverside  Associate Engineer  Se,589  Se,829  City of Sacramento  Associate Civil Engineer  Se,476  Se,477  City of San Diego  Associate Engineer  Associate Engineer  Se,407  Se,358  Se,315  University of California, Berkeley  Engineer, Associate  Se,217  Se,392  University of California, Irvine  Engineer, Associate  Se,217  Se,392  University of California, Irvine  Engineer, Associate  Se,476  Se,407	City of Los Angeles	Civil Engineer	\$7,470	\$10,630
City of Sacramento  Associate Civil Engineer  City of San Diego  Associate Engineer  \$6,407 \$7,737  City of San Jose  Associate Engineer  \$7,358 \$9,315  University of California, Berkeley  Engineer, Associate  \$0 \$0  University of California, Davis  Engineer, Associate  \$4,969 \$8,543  University of California, Los Angeles  Engineer, Associate  \$5,175 \$10,225  University of California, Riverside  Engineer, Associate  \$0 \$0  University of California, Los Angeles  Engineer, Associate  \$5,175 \$10,225  University of California, Riverside  Engineer, Associate  \$0 \$0  University of California, Riverside  Engineer, Associate  \$0 \$0  University of California, San Diego  Engineer, Associate  \$4,758 \$8,458  University of California, Santa Cruz  Engineer, Associate  \$5,142 \$9,258  University of California, Santa Barbara  Engineer, Associate  \$5,159 \$9,279	City of Oakland	Civil Engineer	\$7,683	\$9,433
Engineer \$6,476 \$9,112  City of San Diego Associate Engineer \$6,407 \$7,737  City of San Jose Associate Engineer \$7,358 \$9,315  University of California, Berkeley Engineer, Associate \$0 \$0  University of California, Davis Engineer, Associate \$5,217 \$9,392  University of California, Irvine Engineer, Associate \$4,969 \$8,543  University of California, Los Angeles Engineer, Associate \$5,175 \$10,225  University of California, Merced Engineer, Associate \$0 \$0  University of California, Riverside Engineer, Associate \$0 \$0  University of California, Riverside Engineer, Associate \$4,758 \$8,458  University of California, San Diego Engineer, Associate \$5,142 \$9,258  University of California, Santa Cruz Engineer, Associate \$5,159 \$9,279	City of Riverside	Associate Engineer	\$6,589	\$8,829
City of San Diego Associate Engineer \$6,407 \$7,737  City of San Jose Associate Engineer \$7,358 \$9,315  University of California, Berkeley Engineer, Associate \$0 \$0 University of California, Davis Engineer, Associate \$5,217 \$9,392  University of California, Irvine Engineer, Associate \$4,969 \$8,543  University of California, Los Angeles Engineer, Associate \$5,175 \$10,225  University of California, Merced Engineer, Associate \$0 \$0 University of California, Riverside Engineer, Associate \$0 \$0  University of California, Riverside Engineer, Associate \$4,758 \$8,458  University of California, San Diego Engineer, Associate \$5,142 \$9,258  University of California, Santa Cruz Engineer, Associate \$5,159 \$9,279	City of Sacramento		\$6,476	\$9,112
University of California, Berkeley  Engineer, Associate  \$0  \$0  University of California, Davis  Engineer, Associate  \$5,217  \$9,392  University of California, Irvine  Engineer, Associate  \$4,969  \$8,543  University of California, Los Angeles  Engineer, Associate  \$5,175  \$10,225  University of California, Merced  Engineer, Associate  \$0  \$0  University of California, Riverside  Engineer, Associate  \$0  \$0  University of California, Riverside  Engineer, Associate  \$4,758  \$8,458  University of California, Santa Cruz  Engineer, Associate  \$5,142  \$9,258  University of California, Santa Barbara  Engineer, Associate  \$5,159  \$9,279	City of San Diego		\$6,407	\$7,737
University of California, Davis  Engineer, Associate  \$5,217  \$9,392  University of California, Irvine  Engineer, Associate  \$4,969  \$8,543  University of California, Los Angeles  Engineer, Associate  \$5,175  \$10,225  University of California, Merced  Engineer, Associate  \$0  \$0  University of California, Riverside  Engineer, Associate  \$0  \$0  University of California, San Diego  Engineer, Associate  \$4,758  \$8,458  University of California, Santa Cruz  Engineer, Associate  \$5,142  \$9,258  University of California, Santa Barbara  Engineer, Associate  \$5,159  \$9,279	City of San Jose	Associate Engineer	\$7,358	\$9,315
University of California, Irvine  Engineer, Associate  \$4,969  \$8,543  University of California, Los Angeles  Engineer, Associate  \$5,175  \$10,225  University of California, Merced  Engineer, Associate  \$0  \$0  University of California, Riverside  Engineer, Associate  \$0  \$0  University of California, San Diego  Engineer, Associate  \$4,758  \$8,458  University of California, Santa Cruz  Engineer, Associate  \$5,142  \$9,258  University of California, Santa Barbara  Engineer, Associate  \$5,159  \$9,279	University of California, Berkeley	Engineer, Associate	\$0	\$0
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University of California, Merced Engineer, Associate \$0 \$0  University of California, Riverside Engineer, Associate \$0 \$0  University of California, San Diego Engineer, Associate \$4,758 \$8,458  University of California, Santa Cruz Engineer, Associate \$5,142 \$9,258  University of California, Santa Barbara Engineer, Associate \$5,159 \$9,279	University of California, Irvine	Engineer, Associate	\$4,969	\$8,543
University of California, Riverside Engineer, Associate \$0 \$0  University of California, San Diego Engineer, Associate \$4,758 \$8,458  University of California, Santa Cruz Engineer, Associate \$5,142 \$9,258  University of California, Santa Barbara Engineer, Associate \$5,159 \$9,279	University of California, Los Angeles	Engineer, Associate	\$5,175	\$10,225
University of California, San Diego Engineer, Associate \$4,758 \$8,458 University of California, Santa Cruz Engineer, Associate \$5,142 \$9,258 University of California, Santa Barbara Engineer, Associate \$5,159 \$9,279	University of California, Merced	Engineer, Associate	\$0	\$0
University of California, Santa Cruz Engineer, Associate \$5,142 \$9,258 University of California, Santa Barbara Engineer, Associate \$5,159 \$9,279	University of California, Riverside	Engineer, Associate	\$0	\$0
University of California, Santa Barbara Engineer, Associate \$5,159 \$9,279	University of California, San Diego	Engineer, Associate	\$4,758	\$8,458
	University of California, Santa Cruz	Engineer, Associate	\$5,142	\$9,258
University of California San Francisco Engineer Associate \$5.033 \$11.417	University of California, Santa Barbara	Engineer, Associate	\$5,159	\$9,279
Triversity of California, Carri rancisco   Linguisco, Associate   \$0,555   \$11,417	University of California, San Francisco	Engineer, Associate	\$5,933	\$11,417

## List of Surveyed Organizations and First Level Supervisor Classifications for 2017 Unit 9 Salary Survey

Organization	First Level Supervisor	Min	Max	
STATE OF CALIFORNIA	Sr. Transportation Engineer, Caltrans	\$8,810	\$11,026	
Alameda County	Supervising Civil Engineer	\$9,462	\$11,506	
Contra Costa County	Associate Civil Engineer	\$6,880	\$9,253	
Fresno County	Supervising Engineer	\$7,054	\$9,024	
Los Angeles County	Senior Civil Engineer	\$9,287	\$11,537	
Orange County	Senior Civil Engineer	\$9,324	\$10,689	
Riverside County	Senior Civil Engineer	\$6,984	\$11,024	
Sacramento County	Senior Civil Engineer	\$9,452	\$10,421	
San Bernardino County	A/E Project Manager III	\$6,011	\$8,278	
San Diego County	Senior Civil Engineer	\$7,604	\$9,348	
Santa Clara County	Senior Civil Engineer	\$9,819	\$11,966	
SF City/County	Senior Engineer	\$11,386	\$13,839	
City of Fresno	Supervising Professional Engineer	\$6,908	\$8,377	
City of Los Angeles	Senior Civil Engineer	\$8,787	\$12,498	
City of Oakland	Civil Engineer, Supervisor	\$9,443	\$11,595	
City of Riverside	Principal Engineer	\$8,137	\$12,021	
City of Sacramento	Supervising Engineer	\$9,016	\$11,830	
City of San Diego	Senior Civil Engineer	\$7,384	\$8,929	
City of San Jose	Senior Engineer	\$8,842	\$11,183	
University of California, Berkeley	Engineer, Senior	\$0	\$0	
University of California, Davis	Engineer, Senior	\$5,733	\$10,333	
University of California, Irvine	Engineer, Senior	\$5,464	\$9,442	
University of California, Los Angeles	Engineer, Senior	\$5,700	\$11,267	
University of California, Merced	Engineer, Senior	\$0	\$0	
University of California, Riverside	Engineer, Senior	\$0	\$0	
University of California, San Diego	Engineer, Senior	\$5,725	\$10,858	
University of California, Santa Cruz	Engineer, Senior	\$5,742	\$10,333	
University of California, Santa Barbara	Engineer, Senior	\$5,679	\$10,224	
University of California, San Francisco	Engineer, Senior	\$6,508	\$12,500	

## Department of Human Resources Computation of Weighted Average Salary and Lag for 2017 Unit 9 Salary Survey

April 14, 2017

		Entry L	evel	,	Journey	Level	First Level Supervisor		
А	В	С	D	Е	F	G	Н	- 1	J
Jurisdiction	Salary Maximum	# of Inc.	Cal. Of Weighted Avg. Max = B*C	Salary Maximum	# of Inc.	Cal. Of Weighted Avg. Max = E*F	Salary Maximum	# of Inc.	Cal. Of Weighted Avg. Max = H*I
Alameda County	\$7,011	2	\$14,022.66	\$10,069	11	\$110,758	\$11,506	4	\$46,023
Contra Costa County	\$6,725	6	\$40,348	\$9,024	2	\$18,048	\$9,253	5	\$46,267
Fresno County	\$6,558	5	\$32,790	\$8,203	7	\$57,421	\$9,024	3	\$27,072
Los Angeles County	\$7,011	85	\$595,927	\$10,351	366	\$3,788,532	\$11,537	101	\$1,165,228
Orange County	\$6,743	0	\$0	\$9,324	36	\$335,650	\$10,689	18	\$192,410
Riverside County	\$8,228	21	\$172,778	\$9,647	24	\$231,535	\$11,024	13	\$143,310
Sacramento County	\$7,712	91	\$698,677	\$9,368	99	\$927,449	\$10,421	58	\$600,240
San Bernardino County	\$6,365	3	\$19,094	\$7,505	5	\$37,527	\$8,278	3	\$24,835
San Diego County	\$6,720	15	\$100,802	\$8,077	43	\$347,325	\$9,348	24	\$224,349
Santa Clara County	\$8,549	8	\$68,393	\$10,191	21	\$214,021	\$11,966	8	\$95,729
SF City/County	\$8,870	271	\$2,401,110	\$10,326	316	\$3,267,870	\$13,839	128	\$1,766,623
City of Fresno	\$5,303	0	\$0	\$7,374	16	\$117,984	\$8,377	3	\$25,131
City of Los Angeles	\$7,854	99	\$777,579	\$10,630	199	\$2,115,304	\$12,498	39	\$487,438
City of Oakland	\$6,983	0	\$0	\$9,433	24	\$226,387	\$11,595	5	\$57,975
City of Riverside	\$6,933	3	\$20,799	\$8,829	5	\$44,145	\$12,021	10	\$120,210
City of Sacramento	\$7,508	11	\$82,586	\$9,112	25	\$227,811	\$11,830	11	\$130,125
City of San Diego	\$5,830	280	\$1,632,400	\$7,737	86	\$665,399	\$8,929	48	\$428,573
City of San Jose	\$7,698	0	\$0	\$9,315	109	\$1,015,328	\$11,183	33	\$369,054
UC - Berkeley	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0
UC - Davis	\$7,767	0	\$0	\$9,392	7	\$65,742	\$10,333	2	\$20,667
UC - Irvine	\$7,053	1	\$7,053	\$8,543	1	\$8,543	\$9,442	0	\$0
UC - Los Angeles	\$8,475	6	\$50,850	\$10,225	3	\$30,675	\$11,267	3	\$33,800
UC - Merced	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0
UC - Riverside	\$7,694	0	\$0	\$0	0	\$0	\$0	0	\$0
UC - San Diego	\$6,667	2	\$13,333	\$8,458	3	\$25,375	\$10,858	1	\$10,858
UC - Santa Cruz	\$7,500	6	\$45,000	\$9,258	0	\$0	\$10,333	3	\$31,000
UC - Santa Barbara	\$7,688	2	\$15,376	\$9,279	3	\$27,837	\$10,224	2	\$20,449
UC - San Francisco	\$9,417	0	\$0	\$11,417	1	\$11,417	\$12,500	0	\$0
		916	\$6,788,918		1,412	\$13,918,082		524	\$6,067,366
Weighted Average			\$7,409			\$9,854			\$11,573
State of California			\$7,160			\$9,361			\$11,026
State Lag - \$\$\$			\$249			\$493			\$547
State Lag - %			3.5%			5.3%			5.0%